

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	68	navratil.in.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:38
L2	19	navratil.in. and jiri	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:38
S1	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:05
S2	406	compensat\$6 with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:06
S3	966	(compensat\$6 consider\$7) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:07
S4	406	(compensat\$6) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:07
S5	9	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:10
S6	5	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:11
S7	8	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S8	7	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S9	6	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S10	3	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:22
S11	3310	(speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:22

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S12	1036	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:30
S13	263	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:30
S14	96	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:33
S15	7	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near3 tract\$4) with (model near3 parameter\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:31
S16	13	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model) and (((speech\$4 voic\$4) with residual) same fix\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:41
S17	4	(((((speech\$4 voic\$4) near2 signal\$4))) with residual) same (fix\$4 near3 sampl\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:17
S18	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:09
S19	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:09
S20	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:14
S21	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:14
S22	152	(match\$4 compar\$6) with (frequenc\$5 near pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:37
S23	272	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:38
S24	91	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4) same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:00
S25	3	thierry and dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S26	0	thierry and dutoit and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:02
S27	161	dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S28	26	dutoit and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S29	9	dutoit and "704"/\$.ccls. and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:07
S30	6	dutoit and "704"/\$.ccls. and LPC and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:09

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S31	6	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (pitch\$4 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:30
S32	3	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (adapt\$6 sensitiv\$5 compensat\$6 with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:35
S33	2	dutoit and "704"/\$.ccls. and LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:45
S34	606	LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:45
S35	1	"20040122840".did.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:35
S36	19	((pitch\$4 near3 (adjusted adjustment ajusting adjust))) and (lpc or (linear near predict\$4)).ti,ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:44
S37	28	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:45
S38	124	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab,bsum.	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09
S39	1	"5787389".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:47
S40	1	"5787398".pn. and tim\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:56
S41	1	"5787398".pn. and tim\$4 same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:59
S42	0	"5787398".pn. and (contiguous adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:00
S43	0	"5787398".pn. and (contiguous\$4 adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:01
S44	1	"5787398".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S45	0	"5787398".pn. and dynamic44	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S46	0	"5787398".pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S47	0	"5787398".pn. and warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05

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S48	0	"5787398".pn. and (recognition\$4 RECOGNIZ\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S49	0	"5787398".pn. and cyclical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S50	0	"5787398".pn. and cycl\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S51	1	"5787398".pn. and shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:16
S52	0	"5787398".pn. and shift\$4 and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:07
S53	0	"5787398".pn. and non\$4linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:07
S54	1	"5787398".pn. and linear\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:14
S55	1	("5797389" "6950798" "6223153").pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S56	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:15
S57	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 and warp\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:15
S58	1	"5787398".pn. and identical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:17
S59	1	"5787398".pn. and identical\$4 and map\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S60	0	"5787398".pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S61	1	("5797389" "6950798" "6223153").pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S62	13571	cycl\$7 near3 shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:19
S63	378	cycl\$7 near3 shift\$4 with normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:19
S64	3	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:37
S65	1	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22
S66	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and (recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:21
S67	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:21
S68	162	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22

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S69	90	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22
S70	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:23
S71	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:23
S72	10	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:29
S73	1	(US-4831551-\$).did.	USPAT	OR	OFF	2006/04/01 13:42
S74	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	USPAT	OR	OFF	2006/04/01 13:42
S75	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4)	USPAT	OR	OFF	2006/04/01 13:44
S76	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and fix\$5	USPAT	OR	OFF	2006/04/01 13:44
S77	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardin\$5	USPAT	OR	OFF	2006/04/01 13:45
S78	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardinalit\$4	USPAT	OR	OFF	2006/04/01 13:45
S79	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and equal\$4	USPAT	OR	OFF	2006/04/01 13:45
S80	0	"5651090".pn. and recogni\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54

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S81	1	"4831551".pn. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S82	0	"4831551".pn. and residual\$4 same linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S83	1	"4831551".pn. and residual\$4 and linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S84	0	"4831551".pn. and residual\$4 and linear\$4 near3 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:55
S85	0	"4831551".pn. and residual\$4 and linear\$4 and interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:55
S86	1	"4831551".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:56
S87	1	"4941178".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:57
S88	1	"4941178".pn. and sequenc\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:01
S89	1	"5651090".pn.	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:00
S90	0	"5651090".pn. and recog\$7	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:00
S91	10069	residual\$4 same sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:02
S92	3	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:03
S93	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 same (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S94	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S95	54	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S96	7	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:05
S97	934	linear\$4 near4 interpolation\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:13
S98	21	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:15
S99	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57

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S10 0	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
S10 1	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4 same normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
S10 2	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC and pitch\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:48
S10 3	4135	piec\$4wise near3 linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57
S10 4	279	piec\$4wise near3 linear\$5 same linear\$4 near interpolat\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
S10 5	279	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
S10 6	2	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
S10 7	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
S10 8	5	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and fix\$4 near (sampl\$4 fram\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
S10 9	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
S11 0	24	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and (speech voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:02
S11 1	4	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)). ti,ab,bsum. and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:08
S11 2	223	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09
S11 3	8	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
S11 4	2199	cardinalit\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11

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S11 5	54	cardinalit\$5 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
S11 6	5	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
S11 7	1	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5 AND RESIDUAL\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
S11 8	1	fix\$4 with residual\$4 same piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
S11 9	49	fix\$4 with residual\$4 AND piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
S12 0	18	fix\$4 with residual\$4 AND piec\$4wis\$4 and linear\$4 near interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:20
S12 1	1415467	piec\$4wis\$4 near\$4 linear\$4 with function\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
S12 2	1375722	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
S12 3	1370583	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 4	1370582	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 5	1370602	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 6	13	piec\$4wis\$4 near4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 7	1796	(speech\$4 voic\$4) with residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 13:58
S12 8	68	(speech\$4 voic\$4) with residual\$4 with fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S12 9	360	(speech\$4 voic\$4) near fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S13 0	360	((speech\$4 voic\$4) near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S13 1	0	((speech\$4 voic\$4) near fixed) same (residual\$5 near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:17
S13 2	0	((speech\$4 voic\$4) near fixed) and (residual\$5 near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:17

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S13 3	37	((speech\$4 voic\$4) near4 fixed) and (residual\$5 near4 fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:39
S13 4	1716	residual\$5 with pitch\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:24
S13 5	38	residual\$5 with (pitch\$4 near cycl\$5)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:24
S13 6	2	(modif\$8 near residual\$5) with (pitch\$4 near cycl\$5)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:25
S13 7	3	(modif\$8 near residual\$5) with (integer\$4 near pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:26
S13 8	184	residual\$4 near fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:27
S13 9	170	residual\$4 near fixed not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:28
S14 0	12	residual\$4 near fixed not codebook\$4 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 1	228	residual\$4 with fixed not codebook\$4 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 2	3371	residual\$4 with fixed not codebook\$4 same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 3	43	(residual\$4 with fixed same (speech\$4 voic\$4)) not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 4	23	(fixed near fram\$4) with residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:14
S14 5	0	"20040260552".did. and residual44	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:10
S14 6	1	"20040260552".did. and residual	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:10
S14 7	27	(fixed near fram\$4) with residu\$6	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:15
S14 8	4	S147 not S144	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:27
S14 9	0	calcualt\$6 near3 residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:28
S15 0	4909	calculat\$6 near3 residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:28
S15 1	56	calculat\$6 near3 residual\$5 with fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:31
S15 2	205	calculat\$6 near3 residual\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:32
S15 3	13	calculat\$6 near3 residual\$5 same fixed and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:32

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S15 4	0	residual\$6 with fixed\$4 and 704/4. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:34
S15 5	186	residual\$6 with fixed\$4 and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:36
S15 6	7	residual\$6 with (fixed\$4 near (sample\$5 fram\$5)) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:49
S15 7	35	residual\$6 with (fixed\$4 with (sample\$5 fram\$5)) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:50
S15 8	28	S157 not S156	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S15 9	159452	(signal\$4 fram\$4) near4 fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S16 0	202	(signal\$4 fram\$4) near4 fixed with residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S16 1	69	(signal\$4 fram\$4) near4 fixed with residual\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:01
S16 2	25	(signal\$4 fram\$4) near4 fixed with residual\$5 and "704"/\$.ccls. not codebook	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:08
S16 3	1	wave\$4form\$4 near4 fixed with residual\$5 and "704"/\$.ccls. not codebook	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:10
S16 4	102	residu\$7 same fixed and "704"/\$. ccls. not codebook\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:13
S16 5	285	excitation\$4 near4 fixed and "704"/\$.ccls. not codebokk\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:13
S16 6	35	excitation\$4 near4 fixed and "704"/\$.ccls. not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:16
S16 7	587	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:17
S16 8	192	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S16 9	192	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls. not codebook44	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S17 0	24	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls. not codebook\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S17 1	0	S170 not S166	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:19
S17 2	15022	residual\$4 same error\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:20

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S17 3	33	(equal\$5 near residual\$4) same error\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:24
S17 4	4674	residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:24
S17 5	1673874	fixed near3residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:25
S17 6	43	fixed near3 residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:30
S17 7	404	fixed near3 error near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:30
S17 8	25	fixed near error near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:35
S17 9	532	704/207.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:35
S18 0	167	704/207.ccls. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:38
S18 1	35	704/207.ccls. and residual\$4 same fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:38
S18 2	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/09/13 22:14
S18 3	1	"6865529".pn.	US-PGPUB; USPAT	OR	OFF	2006/09/14 18:46
S18 4	1	"6865529".pn. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:04
S18 5	1	"6865529".pn. and residual\$4 and fixed	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:06
S18 6	185	fixed near residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:07
S18 7	28	fixed near residual\$4 and (pitch or (fundamental near frequency) or lag)	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:07

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	68	navratil.in.	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:38
L2	19	navratil.in. and jiri	US-PGPUB; USPAT	OR	OFF	2007/04/23 08:38
S1	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:05
S2	406	compensat\$6 with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:06
S3	966	(compensat\$6 consider\$7) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:07
S4	406	(compensat\$6) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:07
S5	9	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:10
S6	5	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:11
S7	8	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S8	7	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S9	6	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:13
S10	3	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:22
S11	3310	(speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:22

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S12	1036	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:30
S13	263	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:30
S14	96	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:33
S15	7	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near3 tract\$4) with (model near3 parameter\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:31
S16	13	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model) and (((speech\$4 voic\$4) with residual) same fix\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 22:41
S17	4	(((((speech\$4 voic\$4) near2 signal\$4))) with residual) same (fix\$4 near3 sampl\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:17
S18	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:09
S19	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:09
S20	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:14
S21	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 17:14
S22	152	(match\$4 compar\$6) with (frequenc\$5 near pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:37
S23	272	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:38
S24	91	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4) same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:00
S25	3	thierry and dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S26	0	thierry and dutoit and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:02
S27	161	dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S28	26	dutoit and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:06
S29	9	dutoit and "704"/\$.ccls. and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:07
S30	6	dutoit and "704"/\$.ccls. and LPC and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:09

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S31	6	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (pitch\$4 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:30
S32	3	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (adapt\$6 sensitiv\$5 compensat\$6 with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:35
S33	2	dutoit and "704"/\$.ccls. and LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:45
S34	606	LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 18:45
S35	1	"20040122840".did.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:35
S36	19	((pitch\$4 near3 (adjusted adjustment ajusting adjust))) and (lpc or (linear near predict\$4)).ti,ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:44
S37	28	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:45
S38	124	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab,bsum.	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09
S39	1	"5787389".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/29 18:47
S40	1	"5787398".pn. and tim\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:56
S41	1	"5787398".pn. and tim\$4 same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:59
S42	0	"5787398".pn. and (contiguous adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:00
S43	0	"5787398".pn. and (contiguous\$4 adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:01
S44	1	"5787398".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S45	0	"5787398".pn. and dynamic44	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S46	0	"5787398".pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S47	0	"5787398".pn. and warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05

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S48	0	"5787398".pn. and (recognition\$4 RECOGNIZ\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S49	0	"5787398".pn. and cyclical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S50	0	"5787398".pn. and cycl\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:06
S51	1	"5787398".pn. and shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:16
S52	0	"5787398".pn. and shift\$4 and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:07
S53	0	"5787398".pn. and non\$4linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:07
S54	1	"5787398".pn. and linear\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:14
S55	1	("5797389" "6950798" "6223153").pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S56	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:15
S57	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 and warp\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:15
S58	1	"5787398".pn. and identical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:17
S59	1	"5787398".pn. and identical\$4 and map\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S60	0	"5787398".pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S61	1	("5797389" "6950798" "6223153").pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:18
S62	13571	cycl\$7 near3 shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:19
S63	378	cycl\$7 near3 shift\$4 with normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:19
S64	3	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:37
S65	1	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22
S66	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and (recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:21
S67	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:21
S68	162	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22

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S69	90	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:22
S70	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:23
S71	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:23
S72	10	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:29
S73	1	(US-4831551-\$).did.	USPAT	OR	OFF	2006/04/01 13:42
S74	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	USPAT	OR	OFF	2006/04/01 13:42
S75	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4)	USPAT	OR	OFF	2006/04/01 13:44
S76	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and fix\$5	USPAT	OR	OFF	2006/04/01 13:44
S77	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardin\$5	USPAT	OR	OFF	2006/04/01 13:45
S78	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardinalit\$4	USPAT	OR	OFF	2006/04/01 13:45
S79	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and equal\$4	USPAT	OR	OFF	2006/04/01 13:45
S80	0	"5651090".pn. and recogni\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54

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S81	1	"4831551".pn. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S82	0	"4831551".pn. and residual\$4 same linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S83	1	"4831551".pn. and residual\$4 and linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:54
S84	0	"4831551".pn. and residual\$4 and linear\$4 near3 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:55
S85	0	"4831551".pn. and residual\$4 and linear\$4 and interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:55
S86	1	"4831551".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:56
S87	1	"4941178".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:57
S88	1	"4941178".pn. and sequenc\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:01
S89	1	"5651090".pn.	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:00
S90	0	"5651090".pn. and recog\$7	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:00
S91	10069	residual\$4 same sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:02
S92	3	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:03
S93	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 same (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S94	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S95	54	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:04
S96	7	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:05
S97	934	linear\$4 near4 interpolation\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:13
S98	21	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 14:15
S99	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57

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S10 0	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
S10 1	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4 same normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
S10 2	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC and pitch\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:48
S10 3	4135	piec\$4wise near3 linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57
S10 4	279	piec\$4wise near3 linear\$5 same linear\$4 near interpolat\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
S10 5	279	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
S10 6	2	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
S10 7	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
S10 8	5	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and fix\$4 near (sampl\$4 fram\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
S10 9	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
S11 0	24	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and (speech voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:02
S11 1	4	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)). ti,ab,bsum. and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:08
S11 2	223	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09
S11 3	8	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
S11 4	2199	cardinalit\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11

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S11 5	54	cardinalit\$5 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
S11 6	5	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
S11 7	1	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5 AND RESIDUAL\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
S11 8	1	fix\$4 with residual\$4 same piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
S11 9	49	fix\$4 with residual\$4 AND piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
S12 0	18	fix\$4 with residual\$4 AND piec\$4wis\$4 and linear\$4 near interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:20
S12 1	1415467	piec\$4wis\$4 near\$4 linear\$4 with function\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
S12 2	1375722	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
S12 3	1370583	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 4	1370582	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 5	1370602	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 6	13	piec\$4wis\$4 near4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S12 7	1796	(speech\$4 voic\$4) with residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 13:58
S12 8	68	(speech\$4 voic\$4) with residual\$4 with fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S12 9	360	(speech\$4 voic\$4) near fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S13 0	360	((speech\$4 voic\$4) near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:15
S13 1	0	((speech\$4 voic\$4) near fixed) same (residual\$5 near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:17
S13 2	0	((speech\$4 voic\$4) near fixed) and (residual\$5 near fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:17

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S13 3	37	((speech\$4 voic\$4) near4 fixed) and (residual\$5 near4 fixed)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:39
S13 4	1716	residual\$5 with pitch\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:24
S13 5	38	residual\$5 with (pitch\$4 near cycl\$5)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:24
S13 6	2	(modif\$8 near residual\$5) with (pitch\$4 near cycl\$5)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:25
S13 7	3	(modif\$8 near residual\$5) with (integer\$4 near pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:26
S13 8	184	residual\$4 near fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:27
S13 9	170	residual\$4 near fixed not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:28
S14 0	12	residual\$4 near fixed not codebook\$4 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 1	228	residual\$4 with fixed not codebook\$4 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 2	3371	residual\$4 with fixed not codebook\$4 same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 3	43	(residual\$4 with fixed same (speech\$4 voic\$4)) not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 14:30
S14 4	23	(fixed near fram\$4) with residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:14
S14 5	0	"20040260552".did. and residual44	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:10
S14 6	1	"20040260552".did. and residual	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:10
S14 7	27	(fixed near fram\$4) with residu\$6	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:15
S14 8	4	S147 not S144	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:27
S14 9	0	calcuatl\$6 near3 residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:28
S15 0	4909	calculat\$6 near3 residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:28
S15 1	56	calculat\$6 near3 residual\$5 with fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:31
S15 2	205	calculat\$6 near3 residual\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:32
S15 3	13	calculat\$6 near3 residual\$5 same fixed and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:32

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S15 4	0	residual\$6 with fixed\$4 and 704/4. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:34
S15 5	186	residual\$6 with fixed\$4 and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:36
S15 6	7	residual\$6 with (fixed\$4 near (sample\$5 fram\$5)) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:49
S15 7	35	residual\$6 with (fixed\$4 with (sample\$5 fram\$5)) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 15:50
S15 8	28	S157 not S156	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S15 9	159452	(signal\$4 fram\$4) near4 fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S16 0	202	(signal\$4 fram\$4) near4 fixed with residual\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:00
S16 1	69	(signal\$4 fram\$4) near4 fixed with residual\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:01
S16 2	25	(signal\$4 fram\$4) near4 fixed with residual\$5 and "704"/\$.ccls. not codebook	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:08
S16 3	1	wave\$4form\$4 near4 fixed with residual\$5 and "704"/\$.ccls. not codebook	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:10
S16 4	102	residu\$7 same fixed and "704"/\$. ccls. not codebook\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:13
S16 5	285	excitation\$4 near4 fixed and "704"/\$.ccls. not codebokk\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:13
S16 6	35	excitation\$4 near4 fixed and "704"/\$.ccls. not codebook\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:16
S16 7	587	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:17
S16 8	192	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S16 9	192	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls. not codebook44	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S17 0	24	excitation\$4 near4 fixed with (fram\$4 signal\$4 sampl\$4) and "704"/\$.ccls. not codebook\$5	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:18
S17 1	0	S170 not S166	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:19
S17 2	15022	residual\$4 same error\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:20

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S17 3	33	(equal\$5 near residual\$4) same error\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:24
S17 4	4674	residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:24
S17 5	1673874	fixed near3residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:25
S17 6	43	fixed near3 residual\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:30
S17 7	404	fixed near3 error near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:30
S17 8	25	fixed near error near signal\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:35
S17 9	532	704/207.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:35
S18 0	167	704/207.ccls. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:38
S18 1	35	704/207.ccls. and residual\$4 same fixed	US-PGPUB; USPAT	OR	OFF	2006/09/07 16:38
S18 2	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/09/13 22:14
S18 3	1	"6865529".pn.	US-PGPUB; USPAT	OR	OFF	2006/09/14 18:46
S18 4	1	"6865529".pn. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:04
S18 5	1	"6865529".pn. and residual\$4 and fixed	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:06
S18 6	185	fixed near residual\$4	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:07
S18 7	28	fixed near residual\$4 and (pitch or (fundamental near frequency) or lag)	US-PGPUB; USPAT	OR	OFF	2006/09/14 19:07